Sharp, Joe	Micro Science Associates	SharpJoe@aol.com	Rochester, MN
Clift, Steven	State of Minnesota	clift@northstar.state.mn.us	St. Paul, MN
Giddings, Bill	MOREnet	bgidding@more.net	Columbia, MO
Waltlers, Lisa	Dept. of Elem / Secondary Education	lwalter@mail.dese.state.mo.us	Jefferson City, MO
Williams, Brenda	Kansas City Public Television 19, Inc.(KCPT)	brenda_williams@kcpt.org	Kansas City, MO
Jackson, Mary	St. Louis Cathedral School	mfjackson@earthlink.net	St. Louis, MO
Unruh, Craig	SBC Communications Inc.	cu2846@rapa1.sbc.com	St. Louis, MO
Corbett, Thomas	University City Public Library	tomc@ucpl.lib.mo.us	University City, MO
Ereaux, Jim	Salish Kootenai College	jereaux@skc.edu	Pablo, Montana
Withoff, Alan	Mississippi Library Commission	awithoff@mlc.lib.ms.us	Jacksom, MS
Anderson, Larry	National Center for Technology Planning (MS State Univ)	LSA1@Ra.MsState.Edu	Mississippi State, MS
odasz, frank	Western Montana College/UM (Big Sky Telegraph Network)	franko@bigsky.dillon.mt.us	dillon, mt
Denton, Cynthia	Western Montana College	cdenton@cris.com	Dillon, MT
Fradley, Barbara	Lewistown School District 1	bookend@alpinet.net	Lewistown, MT
Baumann, Cynthia	Lewistown Middle School	cynthiab@alpinet.net	Lewistown, MT
Jim, Ereaux	Salish Kootenai College	USUA_seminar@skc.edu	Pablo, MT
Gursky, Larry	Ronan Middle School &Mont Sci Teachers Assoc.	larryg@cyberport.net	Polson, Mt
Keefer, Thomas	Unified Research Laboratories	tkeefer@urlabs.com	Cary, NC
Mullin, Patrick	University of North Carolina at Chapel Hill	Pat_Mullin@unc.edu	Chapel Hill, NC
Kruter, Mary Harley	IPA	mhkruter@mathernet.com	Chapel Hill, NC
wright, kieth	University of North Carolina Greensboro	wrightk@iris.uncg.edu	greensboro, nc
Rackleff, Robert	ALLTEL Carolina, Inc.	rackleff@vnet.net	Matthews, NC

Midness, Diane	Enloe High School	dmidness@nando.net	Raleigh, NC
Scott, Sue	Public Schools of NC	sscott@dpi.state.nc.us	Raleigh, NC
Neas, Bonnie	North Dakota State University	neas@badlands.nodak.edu	Fargo, ND
Yoshida, Asako	University of North Dakota	yoshida@prairie.NoDak.edu	Grand Forks, ND
Wibbels, Alan	Educational Service Unit 10	awibbels@genie.esu10.k12.ne.us	Kearney, NE
Grainger, Gail	Chesterfield School	gail.grainger@top.monad.net	Chesterfield, NH
Stuart, Wallace	Plymouth State College, also Plymouth Community Channel 3	wstuart@psc.plymouth.edu	Plymouth, NH
Herb, Denise	AT&T	herb@lgamgw.attmail.com	Basking Ridge, NJ
Weinberg, Steven	Community Action Services	nevets2@aol.com	East Brunswick, NJ
Tobias, Jim	Inclusive Technologies	tobias@inclusive.com	Matawan, NJ
Painter, Janice	Ocean City Free Public Library	oclib@acy.digex.net	Ocean City, NJ
Serim, Ferdi	Princeton Regional Schools	ferdi@tigger.jvnc.net	Princeton, NJ
Mollica, Sister Dianne	Immaculate Conception School	dmollica@dimacs.rutgers.edu	Somerville, NJ
Schaeffer, Randy	New Jersey Chamber of Commerce	benzar@aol.com	Trenton, nj
Hufty, Jack	Salem County Vocational Technical Schools	jhufty@aol.com	Woodstown, NJ
Abel Morris, Cindy	Bainbridge Bunting Memorial Slide Library	cdabel@unm.edu	Albuquerque, NM
wooden, regina	Albuquerque Public Schools	wooden@apsicc.aps.edu	Albuquerque, nm
Mascarenas, Al	Foothill H.S. (state juvenile correctional facility)	al-mas@swcp.com	Albuquerque, NM
Toomey, Joy	Espanola Middle School	jtoomey@nnm.cc.nm.us	Espanola, NM
Hoffman, Jayne	Wingate High School	jayneh@cia-g.com	Ft. Wingate, NM
Pemberton, Sam	Gallup High School	slp@ghs.gmcs.k12.nm.us	Gallup, NM
Jeffryes, Larry	University of New Mexico and Los Alamos High School	jeffryes@unm.edu	Los Alamos, NM
Steinhaus, Kurt	NM Dept. of Education	kurt@arriba.nm.org	Santa Fe, NM

Daley, Chip	Clark County School District	chipper@nevada.edu	Las Vegas, NV
Gressler, Rita	System Comuting Services - UCCSN	gressler@nevada.edu	Las Vegas, NV
THOMPSON, JAMES	A-TECH	JETHOMPSON@EARTHLINK.NET	LAS VEGAS, NV
capo, james	mcgannon communication research center	capo@murray.fordham.edu	bronx, ny
Ettenberg, Bruce	Carle Place School District	betten@pipeline.com	Carle Place, NY
Preuss, Paul	Herkimer BOCES	PPreuss@Herkimer-BOCES.moric.org	Herkimer, NY
Shafer, Carla	Cornell Local Government Program	cs13@cornell.edu	Ithaca, NY
Reese, Paul	Ralph Bunche School & CSD#5	preese@ralphbunche.rbs.edu	New York, NY
Hauben, Jay	Amateur Computerist	jrh29@columbia.edu	New york, NY
Hauben, Ronda	Columbia	rh120@columbia.edu	New York, NY
Kohn, Steve	NYNEX	notes.skohn@nynex.com	New York, NY
Fiorillo, Joan	Sinnott Magnet School for Health and Health Careers	jmf@village.ios.com	New York, NY
Lowenhaupt, Thomas	The Communisphere Project	toml@communisphere.com	New York, NY
Honey, Margaret	EDC/Center for Children and Technology	mhoney@tristram.edc.org	New York, NY
Golombek, Dennis	North Tonawanda City School District	golombek@localnet.com	North Tonawanda, NY
Michaels, Don	Instructional Computing Center - SUNY Oswego	michaeld@oswego.edu	Oswego, NY
Rappaport , Ellen	Barton Elementary School, Barton Avenue,	ptmbel@transit.nyser.net	Patchogue, NY
San Felice , Frank	Dutchess County Board of Cooperative Education Services	fsanfelice@csnet.net	Poughkeepsie, NY
Gilman, Michael	Association For Better Living, Inc.	community_builder@msn.com	Syracuse, NY
Fleck, Lisa	NYNEX	notes.lfleck@nynex.com	White Plains, NY
elias, laura	NYNEX	laura@nynexst.com	white plains, NY

Baker, Duane	Northwest Ohio Computer Ass'n. - OECN	baker@nwoca.ohio.gov	Archbold, OH
mason, william	Cuyahoga Community College	bill.mason@tri-c.cc.oh.us	Cleveland, OH
Shrader, Lee	CAMP/Great Lakes Manufacturing Tech Cntr	lee.shrader@camp.org	Cleveland, OH
buyansky, timothy	Benedictine High School	tbuyansk@llohio.wviz.org	Cleveland, OH
Williams, Cary	Ohio Community Computing Center Network	carwilli@ctcnet.org	Columbus, Oh
Pesch, James	Sinclair Community College	jpesch@sinclair.edu	Dayton, OH
Hoelle, Robin	Stephen T. Badin High School	BA_HOELLE@PO.swoca.ohio.gov	Hamilton!, OH
Shidler, Dolores	Perry Local Schools	dshidler@perry.stark.k12.oh.us	Massillon, Oh
Lampert, Bridget	Belmont Technical College	blampert@belmont.tec.oh.us	St. Clairsville, OH
Carpenter, Jeanne	Strongsville High School	jcarpe@leeca8.leeca.ohio.gov	Strongsville, OH
Koehler, Kim	North Central Ohio Educ. Service Center	seneca_co_kk@noeca.ohio.gov	Tiffin, OH
Sanders, Jan	Bartlesville Public Library	75462.2273@compuserve.com	Bartlesville, OK
kuchta, howard	Lawton Public Schools	hkuchta@ionet.net	Lawton, ok
McVey, Susan	Okla. Dept. of Libraries	smcvey@oltn.odl.state.ok.us	Oklahoma City, OK
Ellis, Roberta	Tulsa Public Schools	silase@msn.com	Tulsa, OK
Touzel, Bruce	Newbridge Networks Corp.	bruce_touzel@qmail.newbridge.com	Ottawa, ON
Shadley, Link	Clatsop Community College	lshadley@seasurf.com	Astoria, OR
Nerad, Shava	Net Prophets, Inc.	shava@efn.org	Eugene, OR
Engen, Paget	Pengen Consulting	pengen@orednet.org	Portland, OR
Lerten, Peter	US West Communications	peterb@teleport.com	Portland, OR
Derby, Amy	Northwest Educational Technology Consortium	derbya@nwrel.org	Portland, OR
bush, mary	Multnomah Education Service District	mbush@msmail.mesd.k12.or.us	Portland, or
Brandis, Rushton	Oregon State Library	rushton.g.brandis@state.or.us	Salem, OR
ODriscoll, Paul	Salem-Keizer Public Schools	odriscoll_paul@salkeiz.k12.or.us	Salem, OR

Gasperine, Lou Anne	Austin Area School District	louanneg@greatlakes.k12.mi.us	Austin, PA
Dolton, Bill	Lower Merion School District	bdolton@mciunix.mciu.k12.pa.us	Ardmore, PA
DiMedio, Ginny	Lower Merion School District	gdimedio@mciunix.mciu.k12.pa.us	Ardmore, PA
McGlone, Pam	Lower Merion High School	pmcglone@mciunix.mciu.k12.pa.us	Ardmore, PA
CARBONARA, DAVID	Bethel Park School District	daca21@vms.cis.pitt.edu	Bethel Park, PA
greenberg, jay	boeing helicopters	greenbergj@putter.a1.boeing.com	eddystone, pa
Dudick, Joe	PA Rural Development Council	jdudick@aol.com	Harrisburg, PA
Milet, Lynn	Kutztown University	milet@kutztown.edu	Kutztown, PA
Sensenig, Patricia	Lititz Elementary School	Psnsenig@postoffice.ptd.net	Lititz, PA
Harper, Randy	American Micrographics Company	RandyH2@aol.com	Monroeville, PA
Fulton, Robert	New Oxford Senior High School	cherokee@sun-link.com	New Oxford , PA
Jobe, Holly	Montgomery County Intermediate Unit	hjobe@mciunix.mciu.k12.pa.us	Norristown, PA
Snyder, Jerrold	School District of Philadelphia	jls@sdp2.philsch.k12.pa.us	Phila, PA
Compaine, Benjamin	Temple University, Center for Information Industry Research	bcompaine@usa.net	Philadelphia, PA
Wang-Iverson, Patsy	Research for Better Schools	wang@rbs.org	Philadelphia, PA
Carlitz, Bob	Information Renaissance	bob@info-ren.pitt.edu	Pittsburgh, PA
Chad, Barry	Carnegie Library of Pittsburgh	chadb@clpgh.org	Pittsburgh, PA
Hastings, Gene	Common Knowledge: Pittsburgh	hastings@ckp.edu	Pittsburgh, PA
Zinga, Mario	Pittsburgh Public Schools	zinga@pps.pgh.pa.us	Pittsburgh, PA
Lentz, Myron	Pittsburgh PA Public Schools	lentz@pps.pgh.pa.us	Pittsburgh, PA
mccafferty, mike	pgh. public schools	mike@pps.pgh.pa.us	Pittsburgh, PA
Shea, Christopher	Housing Authority City of Pittsburgh	shea@hamlet.phyast.pitt.edu	Pittsburgh, PA
picadio, a.p.	info-ren	72002.2736@compuserve.com	pittsburgh, pa
fougeres, regine	Pittsburgh Public Schools	fougeres@pps.pgh.pa.us	Pittsburgh, Pa

Valco, Joanne	CAPA High School	jvalco@oberon.pps.pgh.pa.us	Pittsburgh, PA
Packer, Darrell	Department of City Planning	73754.1112@compuserve.com	Pittsburgh, PA
Redwood, Jr., Carl	Hill House Association	redwood@hillhouse.ckp.edu	Pittsburgh, PA
Weyant, Scott	C-COR Electronics	suky1@gnn.com	State College, PA
VanGorden, Jacqueline	Stroudsburg Area School District	jackiv@csrlink.net	Stroudsburg, PA
Nespoli, Sylvia	Ridley school Dystrict	Sylvia_Nespoli@ridleysd.k12.pa.us	Folsom, Pa.
Rivera, Luis R.	Inter American University of Puerto Rico	luriver@ns.inter.edu	Fajardo, PR
Ortiz-Rodriguez, Madeline	Interamerican University of Puerto Rico	madortiz@ns.inter.edu	Fajardo, PR
Andrade, Stephen	Annenberg Institute for School Reform	stephen_andrade@brown.edu	Providence, RI
fund, Claire	College of Charleston	fundc@cofc.edu	Charleston, SC
Matthews, David	Garrett Academy of Technology	matthews@charleston.k12.sc.us	Charleston, SC
bajjaly, Stephen	University of South Carolina	bajjaly@sc.edu	Columbia, SC
Kinlaw, Dell	State of South Carolina	dkinlaw@scsn.net	Columbia, SC
BROWN, CHIP	Conway High School	brownc@sccoast.net	Conway, SC
Yohe, Paula	J.V. Martin Jr. High School	pyohe@infoave.net	Dillon, SC
Tennant, Marty	Low Tech Designs, Inc.	marty@sccoast.net	Georgetown, SC
Townsend, Cate	Applied InterNet Solutions of Greenwood SC	CateT@ais.ais-gwd.com	Greenwood, SC
Steele, Gloria	Technology & Innovations in Eduction	gsteele@sdtie.sdserv.org	Rapid City, SD
christensen, ray	State of SD	christensen@yebb.com	Sioux Falls, SD
Perez, Guillermo	Legislative Assembly of Costa Rica, Library	gperez@congreso.aleg.go.cr	San Jose, SJ
Noll, Ellis	Webb School of Knoxville	nole@Webb.pvt.k12.tn.us	Knoxville, TN
McClellan, Jim	North Middle School	jimmac@usit.net	Lenoir City, TN
hayes, rebecca	pin oak elementary school	dlh@netease.net	lexington, tn
Nelson, Sandra	Tennessee State Library and Archives	snelson@mail.state.tn.us	Nashville, TN

McFadden, Jack	State of Tennessee - OIR/Telecommunications	jmcfadden@mail.state.tn.us	Nashville, TN
SMITH, SCOTT	Mayor's Task Force on Technology	ttf@abilene.com	Abilene, TX
Willard, Eric	Elert & Associates	ericelert@aol.com	Allen, TX
Roberts, Sherrin	University of Texas at Arlington	sherrin@dfw.net	Arlington, TX
Viles, Virginia	Housing and Computer Resources and Development, Inc.	hcrd@ix.netcom.com	Arlington, Tx
hamrick, jean	texas library association	j.hamrick@mail.utexas.edu	austin, tx
Hamilton, Betty Dawn	Brownfield High School Library Media Center	bhamilt@tenet.edu	Brownfield, TX
Anderson, Nancy	Howard Payne University	nanderso@hputx.edu	Brownwood, TX
Folden, Robert	Texas A&M University-Commerce	Bob_Folden@TAMU-Commerce.EDU	Commerce, TX
Chesser, Gene	Texas ISDN Users Group	chesser@tiug.org	Early, TX
Sipll, Joan	Eagle Mountain Saginaw ISD	JSipll@aol.com	Ft. Worth, Tx
Lanclos, Patsy	Spring Branch Independent School District	planclos@tenet.edu	Houston, TX
Kirchhoff, Charlie	TRC Enginering Services	charliek@ktc.com	Kerrville, TX
Pargmann, Lee	Mathis ISD	lparg@tenet.edu	Mathis, TX
Simonsen, Maryanne	MCI	maryanne.simonsen@mci.com	Richardson, Tx
Tedford, David	Rio Vista ISD	dtedford@tenet.edu	Rio Vista, Tx
Green, Chris	Intercultural Development Research Association	cgreen@txdirect.net	San Antonio, TX
Perkins, Joyce	Hardin-Jefferson High School	jperkins@tenet.edu	Sour Lake, TX
Buro, Richard	Temple Independent School District	rwburo@tenet.edu	Temple, TX
stewart, james	Victoria Public Library	jbstew@tenet.edu	Victoria , Tx
Olsen, Brad	OLE	bdoole@ix.netcom.com	Lehi, UT
Bullock, Phil	Utah Department of Commerce	pbullock@br.state.ut.us	Salt Lake City, UT
Neal, Hellen	Alexandria City Public Schools	hneal@mnsinc.com	Alexandria, VA
Hancock, Vicki	ASCD	vhancock@ascd.org	Alexandria, VA

Name	Organization	Email	Location
Murphy, Margaret	Association for Supervision and Curriculum Development	mmurphy@ascd.org	Alexandria, VA
Kimball, Lisa	Metasystems Design Group	lisa@tmn.com	Arlington, VA
Wild, Ann	National Science Teachers Association	ann.wild@nsta.org	Arlington, VA
edwards, tim	DoD Dependents Schools	tedwards@hp877.odedodea.edu	Arlington, VA
Bowen, Larry	George Mason University	lbowen@gmu.edu	Fairfax, VA
Pohl, James	Lake Taylor High School	jpohl@pen.k12.va.us	Norfolk, VA
Van Liere, Melanie	Lake Taylor High School	jpohl@pen.k12.va.us	Norfolk, VA
Dekker, Sandra	Cradock Middle School	sdekker@pen.k12.va.us	Portsmouth, VA
Talaiver, Manorama	Mathematics & Science Center	mtalaive@pen.k12.va.us	Richmond, va
vincent, rabiah	cape henry collegiate school	yona@infi.net	va beach, va
Platis, Niki	The Australian Telecommunications Authority	npl@austel.gov.au	Melbourne, VIC
Dunn, Robert	Vermont Department of Education	bdunn@doe.state.vt.us	Montpelier, VT
Barton, Ruth	Greenwood School	mrgib@sover.net	Putney, Vt
Hammer, Kenneth	K.F.Hammer Associates	ken.hammer@ConnRiver.net	St. Johnsbury, VT
Carlson, Ron	Battle Ground Public Schools	rcarlson@esd112.wednet.edu	Battle Ground, WA
Sentman, Lance	Institute of Human Geography	lsentman@lsentman.seanet.com	Bellevue, WA
Whiteman, Gregory	Mukilteo School District	whitemang@mukilteo.wednet.edu	Everett, WA
Moll, Arliss	Lakewood School District #306	amoll@eagle.esd189.wednet.edu	Lakewood, WA
Small, Dennis	Office of Superintendent of Public Instruction	dsmall@ospi.wednet.edu	Olympia, WA
Pollina, Vincent	Washington Utilities and Transportation Commission	vinny@wutc.wa.gov	Olympia, WA
Gay, Marty	ELTEC	martini@olympus.net	Port Townsend, WA
morrison, currie	Seattle Public Schools	currie@hale.ssd.k12.wa.us	Seattle, WA
Carnell, Ron	Seattle School District	rcarnell@cks.ssd.k12.wa.us	Seattle, WA

Goodwin Shavey, Diana	Dept. Housing & Urban Development	Diana_Goodwin@hud.gov	Seattle, WA
Gordon, Andrew	University of Washington	acg@u.washington.edu	Seattle, WA
Hibbard-Anspach, Don	Wenatchee School District	danspach@clovis.esd171.wednet.edu	Wenatchee, WA
Rogers, Liz	Wenatchee School District	lrogers@televar.com	Wenatchee, WA
Wendt, Donna	Wenatchee School District #246	dwendt@clovis.esd171.wednet.edu	Wenatchee, WA
mocarski, tim	Burlington High School	tmocars@execpc.com	Burlington, WI
Dietzel, Debbie	Cudahy Middle School	psc@execpc.com	Cudahy, Wi
Macaul, Sherry	University of WI-Eau Claire	macaulsl@uwec.edu	Eau Claire, WI
Weitz, David	Wisconsin Department of Natural Resources	weitzd@dnr.state.wi.us	Eau Claire, WI
Klawiter, Mark	Ladysmith-Hawkins School District	klawiter@tower.nersc.gov	Ladysmith, WI
Bestul, John	Little Chute (WI) School District	lchs@athenet.net	Little Chute, WI
Bocher, Bob	WI State Library	bocherf@mail.state.wi.us	Madison, WI
Cosh, Bill	Wisconsin Association of School Boards	bcosh@wasb.org	Madison, WI
Gravelle, John	Merrill Area Public Schools	gravelle@cedar.cic.net	Merrill, WI
Orlandi, Carol	Vincent High School, Milwaukee Public Schools	orlandcm@mail.milwaukee.k12.wi.us	Milwaukee, WI
Haug, Pauline	Sparta Middle School	spartams@centuryinter.net	Sparta, WI
McCoy, Lowell	Wisconsin Rapids Public Schools	lmccoy@wctc.net	Wisconsin Rapids, WI
Dietzel, Laverne	Craftsman Computer Services, Inc.	ccsi@execpc.com	Cudahy, Wi.
Terry, Bob	West Virginia University, NASA	rhterry@rbse.mountain.net	Morgantown, WV
Thomas, Carol	West Virginia University - Parkersburg	CThomas@alpha.wvup.wvnet.edu	Parkersburg, WV
Getty, Mary	Point Pleasant Middle School, Mason County	mgetty@access.k12.wv.us	Point Pleasant, WV
Samei, Hossain	Murdoch University	samei@central.murdoch.edu.au	Perth, WWA
Bradley, Jeff	FCSD#21	jbradley@wyoming.com	Ft. Washakie, WY
Hartman-Hallam, Darlene	Fremont County School District #38	Darlene@calamity.com	Lander, WY

Universal Service/Network Democracy Participants' Contributions

This page contains material submitted by seminar participants for inclusion in the on-line site created for the Universal Service/Network Democracy on-line seminar. If you have additional contributions that you would like to make for this section, please send them to info@info-ren.pitt.edu.

Barry Chad
   Summary: The Navajo Nation Comments
   Summary: U.S. Catholic Conference, et al. Comments
   Summary: U.S. Catholic Conference, et al. Reply Comments
   Summary: Kinko's Inc. Comments

Janet W. Claassen
   Summary: Alliance for Distance Education in CA

B. Hall
   Bibliography on 96 Act

Ken Hammer
   Summary: AARP Comments

Carl Kucharski
   Oregon State Telecom. Forum Council Established
   Summary: Time Warner Commments
   Summary: People for the American Way Comments
   Summary: Benton Foundation Comments
   Summary: Alliance for Community Media Reply Comments

Laurie Maak
   Comments on Bona Fide Requests

Sherry L Macaul
   Summary: AFT, CCSSO, FARNET & USDLA Comments

Jim McClellan
   Summary: Department of Interior Comments

Jack McFadden
   Telecommunications Regulatory Vocabulary
   Finding of Tennessee K12 Planning Task Force

Tim Mocarski
>Summaries: Wisconsin Department of Public Instruction and Public
>Service Commission

John Moorman
>Summary: Illinois State Board of Education et al. Comments

Frank Odasz
>Universal Service "Win-Win" Solution
>Summary: Bootstrap Project
>School/Community Outreach Network Testbeds
>Community Networking, An Implementation Planning Guide
>Big Sky Telegraph: Vision And Summary

A. P. Picadio
>Universal Service Provisions of the Telecommunications Act of 1996

Kenneth Pohl
>Summary: Initial comments of the VSCCS
>Summary: Black Community Crusade for Children Comments
>Summary: American Federation of Teachers
>Summary: Council of Great City Schools Comments
>Regarding: Virginia State Corporation Commission Staff
>Response to the AFT's Article

Christine Rademan
>Summary: Wavephore Comments
>Summary: EDLINC Comments
>Summary: EDLINC Reply Comments
>Summary: EDLINC Further Comments

Carl Redwood
>Summary: Comments of National Black Caucus of State Legislators
>Telecommunications and Energy Committee

Eugene Stovall
>Summary: Oakland Unified School District

Melanie Van Liere
>Aggregation and Competition
>Comments Regarding CA Dept. of Education
>Comments on Comments of 360 Communications

Jim Warner
>California Legislation

Brenda Williams
>Summary: Comments of America's Public Television Stations

Summary:
Comments of the Navajo Nation

Contributed by: Barry Chad <chadb@clpgh.org>
Date: Tue, 03 Sep 1996

The bottom line of the <u>Comments of the Navajo Nation</u> is that

> lack of financial resources to implement the basic infrastructure for information technology has kept Indian Nations from advanced and enhanced telecommunications benefits.

The Navajo Nation is concerned for the vitality of services to schools, libraries and health care providers which technology will enhance.

Much of the Nation, which counts 219,000 members and covers 17.5 million acres, spanning the states of Arizona, New Mexico and Utah, consists of rural and underserved areas. There is no shortage of barriers and obstacles to technological parity with non-Indian communities. These include extreme isolation, lack of potential on investment, and poor levels of subsidy on behalf of households great distances from central offices.

The Navajo Nation cannot afford to sustain the high costs of adequate connectivity. Chapter Houses, a focus of community (along with schools) are local governing centers to which people travel great distances and to which few-to-no entrepreneurial providers would be attracted. In short, competition for service provision does not and will not exist.

- Core services should provide basic voice, 911-dialing and response systems, and data services common to urban communities.

- The schools should have high-bandwidth access to service centers not common to reservation-based communities.

- Chapter Houses should become true communications centers in keeping with the Navajo cultural base.

Distant learning technology can allow the Navajo Nation to provide courses on the Navajo language; yet, an electronic classroom at each required site carries an estimated cost of $150,000 per site. Some users of the Navajo Nation Library System now travel great distances to simply access a library. In the midst of great technological change, an abiding and overwhelming need is simply the installation of public telephones in all communities and Chapter Houses: 76 percent of Navajo homes lack telephone service.

To gain adequate access to distant learning, the benefits of telemedicine, and the resources of online libraries, the Navajo Nation requests implementation of rules that will offer just, reasonable and affordable rates comparable to those in non-Indian urban areas.

Summary: U.S. Catholic Conference, et al.: Comments

Contributed by: Barry Chad <chadb@clpgh.org>
Date: Wed, 04 Sep 1996

The comments are directed on behalf of the most vulnerable members of American society—homeless persons and migrant workers.

The Telecommunications Act of 1996 requires the FCC to adopt rules that ensure nondiscriminatory access to basic and advanced telecommunications services for all Americans. In the case of the homeless, telecommunications services can provide an effective means of obtaining jobs, housing, medical care and access to social services. For migrant workers such services have helped them to earn their livelihood, keep their families together, and obtain access to basic social services. For the children in both groups, telecom services have been used to improve their ability to obtain an education.

Most Americans need not worry about how they will communicate with employers, landlords, government officials, or family members. But shelters often have only one phone to serve all of their clients: the ratio is often more than 50 people per phone. In addition, a stigma often attaches to giving out a shelter number as a place to be reached.

Access to voice mail, increases opportunities for employment, learning and training. Computers promise to help keep homeless children connected to their schools. Migrant workers spend about half of the year traveling; they cannot contact a prospective landowner to determine whether the crop is ready or whether they should delay their travels.

Possible solutions to these problems that the FCC should examine in its rulemaking are:

- support for voice mail
- subsidies to non-profit service providers, such as schools and shelters
- an increase in the availability of urban and rural emergency and public payphones
- ensuring that service providers make consumers aware of available programs once they are implemented.

Summary:
U.S. Catholic Conference, et al.:
Reply Comments

Contributed by: Barry Chad <chadb@clpgh.org>
Date: Wed, 04 Sep 1996

The reply comments assert that the proposals put forth by the U.S. Catholic Conference in the Comments comport with Section 254(c)(1) of the Telecom Act for eligibility for universal support:

- Voice mail:

    Effective communication with employers and service providers is essential to the education, public health and public safety of homeless persons and migrant farmworkers.
    Represents a substitute for basic telephone service, which is widely subscribed to by over 94% of all residential customers.
    Is widely deployed in the public telecommunications network.
    Enables these groups to become fuller participants in society.
    All providers of such service should be eligible for universal service support.

- Subsidizing telephone initiation costs and providing low telephone rates for non–profit organizations that serve homeless persons and migrant farmworkers should be included in the universal service support mechanism:

    Access to basic phone and advanced communications services has profound effects on improving shelter service to clients.
    Increases homeless persons' and migrant farmworkers' ability to communicate with employers, landlords, government officials, educational and medical facilities, emergency services and family members.
    Basic phone service is initiated by and subscribed to by a majority of residential customers
    Is consistent with the public interest through the service which is afforded to the constituencies.

- Subsidized toll free numbers for non–profit organizations:

    Enables homeless persons and migrant farmworkers to obtain essential information regarding shelter availability, healthcare, education, etc.
    Serves the public interest by making service providers more accessible to the people they serve.

Summary: Kinko's Inc.: Comments

Contributed by: Barry Chad <chadb@clpgh.org>
Date: Sat, 07 Sep 1996

Kinko's sees the Internet as a critical telecommunications service and believes that decisions made now will determine a future disparity between "information haves" and "information have–nots" in American society. Because of the costs of equipment (total costs are likely to be at least $1500), Internet access remains out of reach for millions of Americans.

As part of the "advanced services" solicited by the FCC for inclusion in the universal service program, Kinko's is advocating

> Community Internet Access at hundreds of locations throughout the United States. Kinko's customers who do not have the necessary computer, modem and printer at their home will be able to send e–mail, search for a new job, and access the tremendous wealth of governmental, education and business information on the Internet. Millions of Americans will find affordable Internet access at Kinko's.

Such a program would be implemented through Internet vouchers provided to individuals who are unable to afford equipment in their own homes. These vouchers would be used at Community Internet Access centers operated by Kinko's and others.

Kinko's believes that such a Community Internet Access/voucher system satisfies the criteria laid out by the Telecom Act and provides low–income users affordable access to increasingly critical electronic information services.

Summary: Alliance for Distance Education in CA

Contributed by: Janet W. Claassen <jclaass@psnw.com>
Date: Thu, 29 Aug 1996 19:46:29 –0800

As a nonprofit organization which supports the effective use of distance education in California, the Alliance for Distance Education in California (ADEC) supports the rapid implementation of Universal service rates for educators, libraries, and health care providers in order to expedite the availability of all levels of telecommunications services to link students to educational and research resources no matter where those students are located.

ADEC supports the Commission using the same factors as are currently used for low income consumers and those which may be proposed in response to the rulemaking's Section III on Support for Rural, Insular, and High–Cost Areas and Low–Income Consumers. Each library's or K–12 school classroom, could be equated to a low–income consumer unit and eligible for a 10% below the lowest rates offered by a telecommunications service provider to its lifeline customers or 20% below the lowest contract rates offered to corporations or institutions for a particular service.

Bibliography on 96 Act

Compiled by: B. Hall <Beemarcus@aol.com>
Forwarded by: Gene Hastings <hastings@psc.edu>
Date: Sat, 7 Sep 1996 18:53:50 –0400

A few months ago I asked for help on finding documents that would help me put together some information on the 96 telco act and how it affected local govt. Many of you [muni-telecom@civicnet.org] were very helpful, and requested that i post my bibliography when i was done. Here it is. b. hall

---

- Bonnett, Thomas W. 1996. Telewars in the States. Washington: Council of Governors Policy Advisors.
- Cellular Buyers Guide. 1996. Taking the Plunge to PCS. Winter, 31.
- Crowell, Anthony. 1996. Local Government and The Telecommunications Act of 1996. Public Management, June, 6.
- Gregory, Michelle. 1996. When Cells Multiply: Regulating Cellular Tower Siting for the Public Good. PTI Prism, Winter,
- Gregory, Michelle, and Douglas Martin. 1996. Cellular Facilities: A Survey of Current Zoning Practices. Zoning News, April, 1.
- Hettinger, Steve. 1996. Innovative Ideas Keep Huntsville on Top of Communications Towers. U.S. Mayor, 12 May, 3.
- International City/County Management Association (ICMA). Telecommunications Planning for the Future, Washington, 1995.
- Lehto, Neil J. 1996. Local Government Cable Television & Telecommunications Franchising. Washington. Speech presented to International Municipal Lawyers Association, April, 14.
- Miller, Nicholas. 1995. Local Government: The Silent Investor in Wireline Telecommunications Networks. In Local Government Roles and Choices on the Information Superhighway, by Public Technology Inc. Washington, 20–23.
- Miller, Nicholas. 1996. FCC s Satellite Zoning Orders Expands Federal Preemption of Local Authority. State and Local Communications Report. 22 March, 10.
- Moura, Brian. 1996. The Telecommunications Revolution Comes to City Hall. Western City, April, .
- National Association of Telecommunications Officers and Advisors (NATOA), "Local Rights of Way Management: Coordination Essentials and Cost Analyses," Washington, June 1995.
- National League of Cities ((NLC). 1996. The Telecommunications Act of 1996: What it Means to Local Governments. Washington.
- Smith, Clint. 1995. The Seven Critical Musts to Building a PCS Network. Wireless World. August, 36.
- Waller, Henry L. 1996. The Telecommunications Act of 1996 and the New Local Responsibility. Alabama Municipal Journal, April, 8.
- Walters, Larry C., and Gary C. Cornia. 1996. The Implications of Utility and Telecommunications Deregulation for Local Finance. Institute of Public Management, Brigham Young University.

This list is sponsored by the Center for Civic Networking.
For more municipal telecommunications resources, visit
http://civic.net/lgnet/telecom.html

Summary: Comments by the AARP

Contributed by: Ken Hammer <ken.hammer@ConnRiver.net>
Date: Sun, 8 Sep 1996 18:21:06 –0400 (EDT)

As a 66 year old member of AARP, I thought I'd look at their initial [comments] and reply comments. I am disappointed. My summary will be considered caustic and critical by many. That is intended. My perspective is warped as a father of five college graduates and trustee of an independent secondary school as well as by having previously served as a company president, bank director and hospital trustee. Here are very brief summaries of the AARP initial and reply comments. They joined with two other groups for comment.

4/12/96 Initial Comment by AARP, Consumer Federation of America, and Consumers Union.

This coalition of advocates declares a failure of Congressional intent "...if average Americans pay more for their telecommunications service, lose access to crucial services currently provided as part of basic service, or fail to receive access to new functionalities as they become available...". They desire definitions of affordability which don't create "serious inconvenience" but want individual state, not federal, determination of the affordability and comparability of rates. They want self–certification of 125% of poverty level income as eligibility requirement for basic service, long distance blocking, no–charge on phone company calls, lower installation costs and waiving of initial deposits. Those eligible should be allowed to buy higher grades of service and should not be vulnerable to disconnection for non–pay of long distance bills. Functionalities in the universal service should include "directory assistance, the provision of and listing in annual local directories, Call Trace, 900–number blocking service, equal access to interexchange carriers, interoffice digital facilities, equal access to SS7 functionalities, and interconnection among all carriers and modem facilities".

These advocates want expanded access to universal service as they declare "...AARP, CFA, AND CU are very concerned that the Notice does not address the important, underlying elements of this principle (universal service applies to all consumers) and, instead, limits its scope to only the beneficiaries of the targeted subsidies." They also want the Commission to address the cost allocation rules of Section 254(k).

Everything for everybody everywhere by Federal decree is my harsh summary of this plea. The bulk of the text is rhetoric (including absolute and relative definitions of affordability) in support of the plea. Throughout, there are presumptions of the producing economy's ability and willingness to support the largess, the power of the government to direct the transfers of values without limit, and the self–discipline of consumers to make good use of the system. As a senior citizen, I am not proud of the AARP's posture.

Reply comment summary: 5/7/96 by the same advocates.

In the reply comments the advocates:

- Challenge all cost data & economic impact estimates of the providers,
- Refuse to offer an economic model of their vision,
- Challenge the authority of the commission to act on rates,
- Promote disagreement between local exchange and long distance companies,
- Encourage introduction of new providers,
- Deny anyone's ability to predict new rates,
- Urge retention of rates until some new competition stabilizes conditions, and
- Urge refusal of recovery of some prior investments.

In short, give their constituents all the benefits without risk and let someone else suffer any pain and uncertainty. It is a curious blend of expectation of effectiveness through competition, condemnation of previously regulated suppliers and reliance on future regulation for a result which they claim can be determined only by actual implementation, not prediction.

```
K.F.Hammer Associates                           Ken Hammer
management consultations        St. Johnsbury, VT   05819
```

Law Establishing
Oregon State Telecommunications Forum Council
1995

Contributed by: Carl Kucharski <cski@tiac.net>
Date: Wed, 4 Sep 1996 20:41:29 –0400

68th Oregon Legislative Assembly--1995 Regular Session
Senate Bill 994
Sponsored by Senators Hamby, Kennemer, Representatives Adams, Wooten

An Act
Relating to telecommunications; limiting expenditures; and declaring an emergency.
Be It Enacted by the People of the State of Oregon:

SECTION 1. The Legislative Assembly declares it to be the policy of the State of Oregon:

(1) To use information technology in education, health care, economic development and government services to improve economic opportunities and quality of life for all Oregonians regardless of location or income.
(2) To stimulate demand to encourage and enable long–term infrastructure innovation and improvement.
(3) That telecommunications planning process shall:

(a) Organize users in new ways to aggregate demand, reduce costs and create support networks;
(b) Encourage collaboration between communities of interest by geographic area and economic sector; and
(c) Encourage competition among technology and service providers.

SECTION 2.

(1) The Oregon Department of Administrative Services shall coordinate the consolidation and operation of all telecommunications systems used by the state and state agencies. Notwithstanding any other provision of law, no agent or agency of the state shall construct, purchase or otherwise gain access to a telecommunications system without the prior approval of the department.
(2) The department shall coordinate the consolidation and operation of emergency telecommunications systems used by the state and state agencies. The provisions of this section shall not be construed to require consolidation of telecommunications systems used by emergency service providers, as defined by the department, into